

June 7, 1955

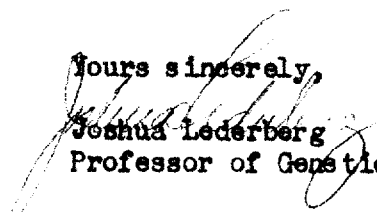
Dr. Einar Leifson
Stritch School of Medicine
Loyola University
Chicago 12, Illinois

Dear Dr. Leifson:

Thank you for the reprints and your letter.

The experiment I had in mind was simply to isolate cells to single drops so that I could watch their motility as they divided. If the flagella lag behind cell division, one cell should remain motile, the other (daughter?) would become motile only after a time. This experience should parallel cytological determinations of the polarity of flagella.

If you have any interest or intention in this direction, I will happily defer to it, or to collaborate in any other way. If you are not interested in this approach yourself, I would be grateful to you for appropriate cultures, namely those which are predominantly monopolar and bipolar respectively during active growth. Might I leave to your own judgment the choice of the most suitable strains for this type of experiment? It would not be difficult to screen a fair number (not too many!) of strains if the choice seemed equivocal. It would be best, I think, to compare "monopolar" and "bipolar" strains of taxonomically related organisms.

Yours sincerely,

Joshua Lederberg
Professor of Genetics